

## INTERNATIONAL SEARCH REPORT

PCT/IB2004/050878

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04S3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01B G01S H04S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 295 740 A (STURGES JR ROBERT H) 20 October 1981 (1981-10-20)	1-7, 12-17
Y	figures 1-8 column 3, line 20 - line 21 column 1, line 5 - line 6 column 2, line 34 - line 37 ----- US 6 118 880 A (TEMPLE DANIEL ANTHONY ET AL) 12 September 2000 (2000-09-12) abstract column 1, line 5 - line 12 column 1, line 59 - line 65 figure 1 ----- -/-	8,9 8

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

23 September 2004

Date of mailing of the international search report

01/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/031333 A1 (BAR ON AMIR ET AL) 13 February 2003 (2003-02-13)	9
A	paragraph '0001! paragraph '0012! paragraph '0013! figures 11,12	8
A	----- WO 01/88470 A (UNISENSOR APS ; DAMGAARD PREBEN (DK); OLESEN TOM (DK)) 22 November 2001 (2001-11-22) figure 2 page 1, line 2 - line 3 page 1, line 25 - page 2, line 33	1-11
A	----- DE 41 01 156 A (AUDIOCINEMA ELECTRONIC UND MED) 16 July 1992 (1992-07-16) column 3, line 15 - line 39 column 1, line 3 - line 7 figure 1	1-11
A	----- US 2002/136414 A1 (AHMAD OMAR M ET AL) 26 September 2002 (2002-09-26) abstract paragraph '0002! paragraph '0007! paragraph '0008!	8
A	----- US 5 255 326 A (STEVENSON ALDEN) 19 October 1993 (1993-10-19) abstract column 2, line 16 - line 48 figure 1	8
A	----- US 5 386 478 A (PLUNKETT BRADLEY J) 31 January 1995 (1995-01-31) column 1, line 60 - column 2, line 6 figure 1	8
A	----- US 2003/043051 A1 (SHIRAI SHI TADASHI) 6 March 2003 (2003-03-06) figure 2 abstract paragraphs '0001!, '0019!	8
A	----- US 3 536 924 A (SOBERMAN ROBERT K) 27 October 1970 (1970-10-27) the whole document	1-11

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